



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

Altitudo apparens montis, seu limbi superioris Solis, 57' 30", quæ correctâ, erit 34' 29"; ex his rursus subtractâ quantitate semidiametri Solaris 16' 4' remanebit, altitudo vera centri Solis, quando totus delituit 18' 25"; ex qua, reliquis etiam datis, infertur per Trigonometriam hora prædictæ altitudini respondens, nimirum - - - - -	5 55 27
Occasus Solis verus - - - - -	5 57 1
Sed apparens, propter refractionem, circ.	6 0 0
Unde patet, finem Eclipsæ in nostro Hemispherio visibilem fuisse; contigit enim, quantum ex prædictis colligi potest, circiter. - - - - -	5 56 50

II. Lunaræ Eclipsæ celebrata die 10. Octob. an. 1726. & in Observatorio Collegii D. Antonii Magni observata ab Eodem.

INnumeris ea nocte vaporibus inficiebatur aër, qui spissiores in nubes paulatim densabantur, ipsamque Lunam non mediocriter offuscabant. Verèbar proinde, ne non bene mihi, ac feliciter Lunaræ Defectus Observatio contingeret; futurum enim obnubilum tota ea nocte cælum videbatur. Sub mediam verò noctem, Euro-Borea spirante, sensim aër diverberari, mox etiam dispergi nubes visæ sunt; atque horâ circiter secundâ Occidentalis plaga, ad quam Luna vergebat, nitidissima apparuit, eademque ad finem Eclipsæ permansit. Nullo igitur

igitur aëris incommodo Observationem hanc habui; nec quidquam prætermisi, quod ejus rectitudini favere quoque modo intelligerem. Eodem usus sum Telescopio, quo in Observatione Solaris Deliquii; idemque adhibui micrometrum in definiendis Digitis Obscurationis.

Ad Temporis verò dimensionem horologio usus sum, pendulo instructo; cujus tanta æqualitas motus, ut dierum intervallo decem, & octo, vix uno, aut altero secundo à Medio Solis motu discrepasset deprehenderim; idque accuratissimo, ac quotidiano penè examine per appulsam fixæ ad eundem verticalem. Ejus differentiam à Tempore Vero, seu Apparenti repetitis interdum Observationibus investigavi, tum scilicet per Solis altitudines, tum per lineam Meridianam; quas tamen Observationes libens prætereo, ne longior sim; ejusmodi enim sunt, atque exhibitæ in præcedenti Solaris Eclipses Observatione.

Macularum nomina ex Selenographia P. Grimaldi excerpta sunt, quam P. Ricciolius suo Almagesto novo inseruit, ac nominibus locupletavit. In eorum verò commodum, qui Hevelianam sequuntur Nomenclaturam, synonymas quoque voces, ex hoc Authore desumptas, secundo loco apponam, præposita litera H, quæ Hevelium significat.

	Temp. V. cor. H. ' " "
Incipit penumbra sensibilis limbum } Lunæ ad Euro-Austrum incidere. - - - }	14 37 0
Spissior apparet - - - - -	14 46 0
Spississima - - - - -	14 56 0
Umbra Terræ, quantum discerni potest, ad eundem limbum pertingit - - - }	14 57 20
Schikardus in Umbra - - - - -	15 3 50

	0	1	11
I. Digitus obumbratur - - - -	15	4	53
Umbra ad <i>Kristmanum</i> - - -	15	8	4
Immergitur totus - - - -	15	9	15
<i>Mersenius</i> latet: Litus Ori- entale <i>Maris humorum</i> incipit ob- umbrari: H. <i>Sinus Sirbonis</i> - - }	15	9	50
II. Digiti latent - - - - -	15	13	0
<i>Capuanus</i> immergitur - - -	15	13	36
Ad <i>Grimaldum</i> pervenit Um- bra: H. <i>Pal. Mareotis</i> - - - }	15	14	54
<i>Gassendus</i> incipit obumbrari -	15	17	34
Incipit <i>Tycho</i> : H. <i>Mons Sinai.</i> }	15	19	46
<i>Grimaldus</i> latet. - - - - }	15	21	0
<i>Tychonis</i> medium tenet Umbra.	15	21	53
III. Digiti. <i>Tycho</i> totus immergitur -	15	21	53
<i>Morinus</i> : H. <i>Cassius</i> - - -	15	23	58
<i>Bullialdus</i> H. <i>Insula Creta</i> -	15	25	20
<i>Profatius</i> incipit obumbrari -	15	30	58
IV. Digiti - - - - -	15	31	48
<i>Profatius</i> latet. - - - -	15	32	40
V. Digiti - - - - -	15	43	40
Umbra tantum non attingit <i>Ga-</i> <i>lileum</i> , quem propter diutissimè } versatur - - - - - }	15	48	0
Ad <i>Snellium</i> , & <i>Fornerium</i> } pervenit Umbra - - - - - }	15	53	20
Ad <i>Fracastorium</i> . <i>Snellius</i> & } <i>Fornerius</i> latent - - - - - }	15	55	38
<i>Fracastorius</i> totus in Umbra -	15	58	30
VI. Digiti - - - - -	16	3	4
<i>Sinum Æstuum</i> tangit Umbra: } H. <i>Mare Adriaticum</i> - - - }	16	6	13
			Medium

	H.	'	"
Medium <i>Vendelini</i> - - - -	16	8	22
Totum <i>Mare Nectaris</i> in Um- bra. H. <i>Sinus extremus</i> - - - }	16	14	40
<i>Grimaldus</i> incipit emergere -	16	15	51
<i>Ricciolius</i> extra Umbram - -	16	16	18
<i>Grimaldus</i> totus - - - -	16	23	30
Umbra ad <i>Langrenum</i> - - -	16	24	27
<i>Gassendus</i> restituitur - - -	16	43	34
V. Digiti deficiunt - - - -	16	47	22
<i>Bullialdus</i> incipit emergere -	16	51	57
Totus extra Umbram - - - -	16	53	47
<i>Kristmanus</i> incipit - - - -	16	54	17
Item <i>Schikardus</i> - - - -	16	58	0
IV. Digiti. Totus <i>Schikardus</i> - -	16	59	27
<i>Pitatus</i> totus - - - -	17	3	30
III. Digiti - - - -	17	9	20
<i>Tycho</i> incipit emergere - -	17	10	54
<i>Tychonis</i> medium extra Umbram	17	11	49
<i>Tycho</i> totus emergit - - -	17	12	40
<i>Fracaſtorius</i> totus - - - -	17	14	20
II. Digiti - - - -	17	18	4
<i>Snellius</i> emergit - - - -	17	25	43
I. Digitus tantum latet - - - -	17	26	10
<i>Fornerius</i> extra Umbram - -	17	27	55
Extremus limbus Lunæ, qui ad Africum ſpectat videtur proxime emerſurus - - - - }	17	32	50
Jam Lunæ diſcus integer appa- ret, ac proinde Finis Eclipſeos }	17	33	30
Adhuc denſiori penumbra præ- dictus limbus inficitur - - - }	17	38	0

Definit

Definit penumbra sensibilis, suæ- que Luna claritati omninò restituta } apparet }	H. ' "
	17 54 0
Ex observatis Initio, ac Fine Eclipses } colligitur ejus Duratio }	H. ' "
	2 36 10
Medium verò, seu Maxima obscuratio.	16 15 25
Quantitas Micrometro diligenter in- } vestigata, Dig. 6. min. 10'. }	

Terrestris Umbra in hac Eclipsi tum malè terminata, quod in cæteris Lunæ Eclipsibus contingere solet, tum etiam sublustrior, atque aliàs visa est. Difficilior proinde veri Initii, Finisque investigatio fuit; nec suo carituras arbitror dissidio diversas Astronomorum Observaciones, qui scilicet in eodem penumbræ termino definendo perquam rarò conveniunt; ac tum vel maximè, quando nulla Terrestris Umbræ portio in disco Lunari versatur, uti nulla versari incipiente Eclipsi, vel desinente potest. Reliquæ verò phasæ, faciliùs, ac citra sensibilem errorem determinari potuerunt, comparatione habita inter Umbram veram, ac spissiore penumbram. Equidem, ut rectitudini Observationis, quoad fieri poterat, diligentissimè consulerem, plura sub Eclipses Initium, plura sub ejus Finem momenta temporis adnotavi; quorum ea tandem vero Initio, ac Fini adscripsi, quæ utriusque maximè congruere ex pluribus circumstantiis deprehendi.